

Napa County Office Use Only	
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NAPA COUNTY DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
APPLICATION AND PERMIT TO CONSTRUCT
A GEOTHERMAL HEAT EXCHANGE WELL

APN _____
 Job # _____
 Issue Date _____
 Expir. Date _____

The following **MUST** be included before this permit application can be processed-

1. A parcel map accurately showing property features, buildings, septic systems, roads, etc. in relationship to all well borings.
2. A cross-section diagram showing a) the proposed depth of the well(s) b) the loop system and c) the seal material, depth, and method.

Owner:	Contractor:		
Site Address:	Mailing Address:		
Mailing Address:	Contractor's Phone:		
Owner's Phone:	C-57 License Number:		
Well Construction			
Number of borings:	Diameter of borehole:		
Depth of borehole:	Will all casing(s) be removed? Yes <input type="checkbox"/> No <input type="checkbox"/>		
Sealing material:	Sealing method:		
Loop material:	Loop fluid:		
Is the ambient ground temperature 86°F (30°C) or less*? *If no, refer to D.O.G.			
The diameter of the borehole must be at least 2" larger than total outside diameter of all the loop pipes. Boreholes must be full-length sealed only with an approved material. Any permanent casings must comply with Napa County Code Relating to Wells and Water Supply Systems. All heat exchange loop pipe connections must be thermally fused and the loop materials shall be installed and sealed without delay upon completion of drilling of each geothermal heat exchange wells. Once installed, each heat exchange loop must be tested for leaks by pressurizing with water or air to 150% above the manufacturer's heat pump operating specifications for a period of 30 minutes. If the loop leaks, the well must be destroyed in accordance with the California Department of Water Resources, Geothermal Heat Exchange Wells, Well Standards.			
Site Information			
Setbacks: All Septic Tanks:	All Septic disposal fields and reserve areas:		
Sewer line:	Haz-mat sites:	Property line:	Roads:
CONDITIONS &/OR REMARKS:			

Required Inspections:

1. Layout/pre seal inspection: An inspector must be onsite to inspect the first boring, prior to sealing and during the sealing process. The inspector will confirm the boring location(s), depth(s) and the sealing material specified on the proposal.
2. Testing: Once all borings are installed, each heat exchange loop must be pressure tested, as described above, in the presence of an inspector from this office.

Worker's Compensation Coverage: (Check one of the following)

- A certificate of current Worker's Comp. Insurance coverage is on file with this office (or being filed with this application).
- I certify that in the performance of the work for which this permit is issued, I shall not employ any person in any manner so as to become subject to the Worker's Compensation Laws of California.

TERMS OF PERMIT:

1. Call at least 24 hours in advance during normal business hours to schedule inspection requests (no voice messages). You must confirm with the district inspector between **8:00 and 9:00 AM** the day of the inspection, or the request may be denied.
2. Prior to receiving final clearance on the well, a copy of the State of California Well Completion Report (DWR 188) must be returned to this department.
3. This permit shall expire two (2) years from the date of issuance.
4. Permits are issued to licensed well drillers. Copy of Well Driller's license (C-57) must be on file with this Department.
5. If a claim is to be submitted for a refund, this request must be processed within one year of the date on the receipt.

I, the undersigned, hereby assume fully all risks associated with providing incorrect information as to the location of the septic systems. I acknowledge that the County of Napa will issue a well permit in reliance upon information contained in this Application and, on behalf of myself, heirs, administrators and/or assigns, I hereby fully release the County, its elected officials, officers, and employees from any and all claims and liability whether actual or potential, known or unknown, that may arise in connection with the information provided in the Application.

Signature of Licensed Well Driller

Date

	Date	By	Remarks
City&/or D.O.G. Clearance			
Permit Issued:			
Layout/pre seal inspection:			
Pressure testing inspection:			
Well log received:			